

Sequence Listing

<110> CHO-A PHARM CO., LTD.
 KIM, Jin Hoi

<120> Porcine uroplakin II promoter and the production method of useful
 proteins using said promoter

<130> 03PP181

<150> KR 10-2002-0067856
 <151> 2002-11-04

<150> KR 10-2003-0077256
 <151> 2003-11-03

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Sequence Listing

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Sequence Listing

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Lin, C. H.

Browne, J. K.

Smalling, R.

Egrie, J. C.

Chen, K. K.

Fox, G. M.

Martin, F.

Stabinsky, Z.

<302> Cloning and expression of the human erythropoietin gene

<303> Proc. Natl. Acad. Sci. U.S.A.

<304> 82

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<306> 7580-7584

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tcaataatat tgaaaaagga agagtcctga ggcggaagaa accagctgtg gaatgtgtgt	180
cagttagggt gtggaaagtc ccagggtcc ccagcaggca gaagtatgca aagcatgcat	240

Sequence Listing

```

ctcaattagt cagcaaccag gtgtggaaag tccccaggct cccagcagg cagaagtatg      300
caaagcatgc atctcaatta gtcagcaacc atagtccgc ccctaactcc gcccatcccg      360
cccctaactc cgcccagttc cgcccattct cgcgccatg gctgactaat tttttttatt      420
tatgcagagg ccgaggccgc ctcggcctct gagctattcc agaagtagtg aggaggcttt      480
tttgagggcc taggcttttg caaagatcga tcaagagaca ggatgaggat cgtttcgcat      540
gattgaacaa gatggattgc acgcagggtc tccggccgct tgggtggaga ggctattcgg      600
ctatgactgg gcacaacaga caatcggtg ctctgatgcc gccgtgttcc ggctgtcagc      660
gcagggggcg ccggttcttt ttgtcaagac cgacctgtcc ggtgccctga atgaactgca      720
agacgaggca gcgcggctat cgtggctggc cagcagggc gttccttgcg cagctgtgct      780
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tctctgtca tctcaccttg ctctgccga gaaagtatcc atcatggtg atgcaatgcg      900
gcggctgcat acgcttgatc cggctacctg cccattcgac caccaagcga aacatcgcat      960
cgagcgagca cgtactcgga tggaaagccg tcttgctgat caggatgatc tggacgaaga     1020
gcatcagggg ctcgcgccag ccgaactgtt cgccaggctc aaggcgagca tggccgacgg     1080
cgaggatctc gtcgtgacct atggcgatgc ctgcttgccg aatatcatgg tggaaaatgg     1140
ccgcttttct ggattcatcg actgtggccg gctgggtgtg gcggaccgct atcaggacat     1200
agcgttggt acccgtgata ttgtgaaga gcttggcggc gaatgggctg accgcttcct     1260
cgtgctttac ggtatcgccg ctcccgatc gcagcgcatc gccttctatc gccttcttga     1320
cgagttcttc tgagcgggac tctggggttc gaaatgaccg accaagcgac gcccaacctg     1380
ccatcacgag atttcgattc caccgccgcc ttctatgaaa ggttgggctt cggaatcggt     1440

```

Sequence Listing

```

ttccgggacg cgggtggat gatcctccag cgcggggatc tcatgctgga gttcttcgcc      1500
caccctaggg ggaggctaac tgaaacacgg aaggagacaa taccggaagg aaccgcgct      1560
atgacggcaa taaaaagaca gaataaacg cacggtgttg ggtcgtttgt tcataaacgc      1620
ggggttcggg cccagggctg gcactctgtc gatacccac cgagacccca ttggggccaa      1680
tacgcccggg tttcttcett ttccccaccc cccccccaa gttcgggtga aggccaggg      1740
ctcgcagcca acgtcggggc ggcaggccct gccatagcct caggttactc atatatactt      1800
tagattgatt taaaacttca tttttaattt aaaaggatct aggtgaagat cctttttgat      1860
aatctcatga ccaaaatccc ttaacgtgag ttttcgttcc actgagcgtc cgatcg      1916

```

```

<210>      6
<211>    2254
<212>      DNA
<213>    Artificial Sequence

```

```

<220>
<223>    Cloning vector pEGFP-N1, complete sequence, enhanced green
        fluorescent protein (egfp) and neomycin phosphotransferase genes

```

```

<400>      6
tcgactctag agggacagcc ccccccaaa gccccaggg atgtaattac gtccctcccc      60
>gctaggggc agcagcgagc cgcccggggc tccgctccgg tccggcgctc ccccgcatc      120
>ccgagccgg cagcgtcggg ggacagcccg ggcacgggga aggtggcacg ggatcgcttt      180
>ctctgaacg cttctcgtg ctctttgagc ctgcagacac ctggggggat acggggaaaa      240
>gcttttagc tgaaagagag atttagaatg acagaatcat agaacggcct gggttgcaaa      300
>gagcacagt gctcatccag atccaacccc ctgctatgtg cagggtcatc aaccagcagc      360

```

Sequence Listing

ccaggctgcc cagagccaca tccagcctgg ccttgaatgc ctgcagggat ggggcatcca	420
cagcctcctt gggcaacctg ttcagtgcgt caccaccctc tgggggaaaa actgcctcct	480
catatccaac ccaaacctcc cctgtctcag tgtaaagcca ttcccccttg tcctatcaag	540
ggggagtttg ctgtgacatt gttggtctgg ggtgacacat gtttgccaat tcagtgcac	600
acggagaggc agatcttggg gataaggaag tgcaggacag catggacgtg ggacatgcag	660
gtgttgaggg ctctgggaca ctctccaagt cacagcgttc agaacagcct taaggataag	720
aagataggat agaaggacaa agagcaagtt aaaaccagc atggagagga gcacaaaaag	780
gccacagaca ctgctggtcc ctgtgtctga gcctgcatgt ttgatgggtg ctggatgcaa	840
gcagaagggg tgggaagagct tgcctggaga gatacagctg ggtcagtagg actgggacag	900
gcagctggag aattgccatg tagatgttca tacaatcgtc aaatcatgaa ggctggaaag	960
cctccaagat cccaagacc aacccaacc caccaccgt gccactggc catgtccctc	1020
agtgccacat cccacagtt cttcatcacc tccagggacg gtgaccccc cacctccgtg	1080
ggcagctgtg cactgcagc accgctcttt ggagaaggta aatcttgcta aatccagccc	1140
gaccctccc tggcacaacg taaggccatt atctctcacc caactccagg acggagtcag	1200
tgaggatggg gctctagagg gacagcccc cccaaagcc cccagggatg taattacgtc	1260
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ccgcacccc gagccggcag cgtgcgggga cagcccggc acggggaagg tggcacggga	1380
tcgctttcct ctgaacgctt ctgcgtgctc tttgagcctg cagacacctg gggggatacg	1440
gggaaaaagc tttaggctga aagagagatt tagaatgaca gaatcataga acggcctggg	1500
ttgcaaagga gcacagtgt catccagatc caacccctg ctatgtgcag ggtcatcaac	1560

Sequence Listing

```

cagcagccca ggctgccag agccacatcc agcctggcct tgaatgcctg cagggatggg      1620
gcatccacag cctccttggg caacctgttc agtgcgtcac caccctctgg gggaaaaact      1680
gcctcctcat atccaacca aacctcccct gtctcagtgt aaagccattc ccccttgtcc      1740
tatcaagggg gagtttgctg tgacattggt ggtctggggg gacacatggt tgccaattca      1800
gtgcatcacg gagaggcaga tcttggggat aaggaagtgc aggacagcat ggacgtggga      1860
catgcagggtg ttgagggttc tgggacactc tccaagtcac agcgttcaga acagccttaa      1920
ggataagaag ataggataga aggacaaaga gcaagttaaa acccagcatg gagaggagca      1980
caaaaaggcc acagacactg ctggtccctg tgtctgagcc tgcattgttg atggtgtctg      2040
gatgcaagca gaaggggtcc atgtccctca gtgccacatc cccacagttc ttcattacct      2100
ccagggacgg tgaccccccc acctccgtgg gcagctgtgc cactgcagca ccgctctttg      2160
gagaaggtaa atcttgctaa atccagcccc accctcccct ggcacaacgt aaggccatta      2220
tctctcatcc aactccagga acggagtcag tgag                                2254

```

```

<210>      7
<211>      632
<212>      DNA
<213>      Woodchuck hepatitis B virus

<220>
<221>      misc_signal
<222>      (1)..(632)
<223>      woodchuck hepatitis virus posttranscriptional regulatory element

```

```

<400>      7
accaggttct gttcctgtta atcaacctct ggattacaaa atttgtgaaa gattgactgg      60

```

Sequence Listing

tattcttaac tatgttgctc cttttacgct atgtggatac gctgctttaa tgcctttgta 120
tcatgctatt gcttcccgta tggctttcat tttctcctcc ttgtataaat cctgggtgct 180
gtctctttat gaggagtgtt ggcgcgttgt caggcaacgt ggcgtggtgt gcactgtgtt 240
tgctgacgca acccccactg gttggggcat tgccaccacc tgtcagctcc tttccgggac 300
tttcgctttc cccctcccta ttgccacggc ggaactcatc gccgcctgcc ttgcccgctg 360
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gtcctttcca tggctgctcg cctgtgttgc cacctggatt ctgcgcggga cgctcttctg 480
ctacgtccct tcggccctca atccagcgga ccttccttcc cgcggcctgc tgccggctct 540
gcggcctctt ccgctcttc gccttcgccc tcagacgagt cggatctccc tttgggccgc 600
ctccccgctt gtttcgctc gggtectctg ag 632

<210> 8

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying neomycin resistant gene

<400> 8

gcggccgcgc gcgtcaggtg gcac

24

<210> 9

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

Sequence Listing

<223> reverse primer for amplifying neomycin resistant gene

<400> 9

cgatcggacg ctcagtggaa cgaaaactc

29

<210> 10

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying chicken B-globin insulator

<400> 10

tcgactctag agggacag

18

<210> 11

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> reverse primer for amplifying chicken B-globin insulator

<400> 11

ctcactgact ccgttcct

18

<210> 12

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer for amplifying woodchuck hepatitis virus

Sequence Listing

posttranscriptional regulatory element

<400> 12

accaggttct gttcctgtta atcaacctc

29

<210> 13

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> reverse primer for amplifying woodchuck hepatitis virus
posttranscriptional regulatory element

:400> 13

:tcgaggagc ccgaggcgaa acaggcg

27